

WHAT IS CLAIMED IS:

1. A print system composed of an image processing
apparatus for executing an image processing function
selected from plural image processing functions and an
5 information processing apparatus for generating print
data to be transferred to said image processing
apparatus, wherein:

said information processing apparatus acquires,
from said image processing apparatus, information
10 indicating the function status of the plural image
processing functions, also executes a process of
transferring the generated print data to said image
processing apparatus and displays the function status
of the plural image processing functions on a display
15 unit based on the acquired information.

2. A print system according to claim 1, wherein
said information processing apparatus displays the
function status of the plural image processing
20 functions in a single image, based on the acquired
information.

3. A print system according to claim 1, wherein
said information processing apparatus is adapted to
25 display, on the display unit, that the generated print
data are being transferred to said image processing
apparatus.

4. A print system according to claim 1, wherein
said information processing apparatus discriminates,
based on the acquired information, whether an image
processing function of higher priority is executed in
5 said image processing apparatus and, in case of a
discrimination that a processing function of higher
priority is executed, displays the function status of
the image processing function of such high priority in
an emphasized manner.

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5. A print system according to claim 4, wherein
said information processing apparatus, simultaneously
with the emphasized display of the function status of
the image processing function of higher priority,
15 suspends the transfer process of the print data to said
image processing apparatus.

6. A print system according to claim 1, wherein
said information processing apparatus acquires, from
20 said image processing apparatus, the information
indicating the function status of the plural image
processing functions, for every transfer of the print
data of a page.

25 7. A print system according to claim 1, wherein
said image processing apparatus acquires information
indicating the function status of the plural image

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processing functions, manages the acquired information in unified manner in a storage unit, and renews the information stored in said storage unit in response to a change in the function status.

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8. A print system according to claim 1, wherein said image processing apparatus transmits the information stored in said storage unit to said information processing apparatus, in response to a print request from said information processing apparatus or to a request from said information processing apparatus for acquiring the information indicating the function status.

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9. A print system according to claim 1, wherein said image processing functions include a print function for executing printing based on data from said information processing apparatus, a copy function and a facsimile function.

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10. A print system according to claim 1, wherein said image processing apparatus comprises a print unit for executing printing, and said print is used by one of the plural image processing functions.

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11. An image processing apparatus for executing an image processing function selected from plural image

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processing functions based on a print request from an
information processing apparatus or an image
processing request from an operation unit, the
apparatus comprising:

5 acquisition means for acquiring information
indicating the function status of the plural image
processing functions;

 management means for managing the information
acquired by said acquisition means in unified manner in
10 storage means; and

 control means for monitoring the change in the
function status indicated by the information acquired
by the acquisition means and renewing the information
stored in said storage means in response to a change in
15 the function status.

12. An image processing apparatus according to
claim 11, further comprising information means for
informing said information processing apparatus of the
20 information stored in said storage means, based on the
print request from said information processing
apparatus.

13. An image processing apparatus according to
25 claim 11, wherein said informing means informs said
information processing apparatus of the information
stored in said storage means, based on a request from

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said information processing apparatus for information indicating the function status.

14. An image processing apparatus according to
5 claim 11, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

10 15. An image processing apparatus according to claim 11, further comprising printing means for printing on a sheet, wherein said printing means is used by one of the plural image processing functions.

15 16. An information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from plural image processing functions, the apparatus comprising:

20 generation means for generating print data to be transferred to the image processing apparatus;

acquisition means for acquiring, from said image processing apparatus, information indicating the function status of plural image processing functions;

25 and

display control means for executing a process of transferring the print data generated by said

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generating means to said image processing apparatus and displaying the function status of the plural image processing functions on a display unit based on the information acquired by said acquisition means.

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17. An information processing apparatus according to claim 16, wherein said display control means is capable, based on the information acquired by said acquisition means, of the function status of the plural image processing functions on a single image by graphics, text and animation.

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18. An information processing apparatus according to claim 16, wherein said display control means discriminates, based on the information acquired by said acquisition means, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

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19. An information processing apparatus according to claim 16, wherein said display control means displays a text indicating the function status of the image processing function of higher priority in an

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emphasized manner by a layout in a predetermined area of the display unit.

20. An information processing apparatus according
5 to claim 16, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

10 21. A control method for an image processing apparatus for executing an image processing function selected from plural image processing functions based on a print request from an information processing apparatus or an image processing request from an
15 operation unit, the method comprising steps of:

acquiring information indicating the function status of the plural image processing functions;

managing the acquired information in unified manner in storage means; and

20 monitoring the change in the function status indicated by the acquired information and renewing the information stored in said storage means in response to a change in the function status.

25 22. A control method according to claim 21, further comprising a step of informing said information processing apparatus of the information stored in said

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storage means, based on the print request from said information processing apparatus.

23. A control method according to claim 21,
5 wherein the information stored in said storage means is
informed to said information processing apparatus,
based on a request from said information processing
apparatus for information indicating the function
status.

24. A control method according to claim 21,
wherein said image processing functions include a print
function for executing printing based on data from the
information processing apparatus, a copy function and a
facsimile function.

25. A control method according to claim 21,
wherein said image processing apparatus includes
printing means for printing on a sheet, wherein said
20 printing means is used by one of the plural image
processing functions.

26. A status display method for an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from plural image processing functions, the method

comprising steps of

acquiring, from said image processing apparatus,
information indicating the function status of plural
image processing functions; and

5 executing a process of transferring the generated
print data to said image processing apparatus and
displaying the function status of the plural image
processing functions on a display unit based on the
acquired information.

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27. A status display method according to claim
26, wherein the function status of the plural image
processing functions can be displayed, based on the
acquired information, on a single image by graphics,
15 text and animation.

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28. A status display method according to claim
26, further comprising discriminating, based on the
acquired information, whether an image processing
20 function of higher priority is executed in said image
processing apparatus, and, in case of discrimination
that a processing function of higher priority is
executed, displaying the function status of the image
processing function of such high priority in an
25 emphasized manner.

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29. A status display method according to claim

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26, wherein a text indicating the function status of the image processing function of higher priority is displayed in an emphasized manner by a layout in a predetermined area of the display unit.

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30. A status display method according to claim 26, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy
10 function and a facsimile function.

31. A program for controlling an image processing apparatus for executing an image processing function selected from plural image processing functions based
15 on a print request from an information processing apparatus or an image processing request from an operation unit, the program comprising:

an acquisition step of acquiring information indicating the function status of the plural image
20 processing functions;

a management step of managing the information acquired in said acquisition step in unified manner in storage means; and

a control step of monitoring the change in the
25 function status indicated by the information acquired by said acquisition step and renewing the information stored in said storage means in response to a change in

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the function status.

32. A program for controlling an information
processing apparatus for transferring print data by
5 communication with an image processing apparatus for
executing an image processing function selected from
plural image processing functions, the program
comprising:

10 a generation step of generating the print data to
be transferred to said image processing apparatus;

an acquisition step of acquiring, from said image
processing apparatus, information indicating the
function status of plural image processing functions;
and

15 a display control step of executing a process of
transferring the print data generated by said
generation step to said image processing apparatus and
displaying the function status of the plural image
processing functions on a display unit based on the
20 information acquired by said acquisition step.

33. A program according to claim 32, wherein the
function status of the plural image processing
functions can be displayed, based on the information
25 acquired by the acquisition step, on a single image by
graphics, text and animation.

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34. A program according to claim 32, wherein said display control step discriminates, based on the information acquired in said acquisition step, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

35. A program according to claim 32, wherein said display control step displays a text indicating the function status of the image processing function of higher priority in an emphasized manner by a layout in a predetermined area of the display unit.

36. A program according to claim 32, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

37. A computer readable memory medium storing a program for controlling an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from plural image

processing functions, the program comprising:

a generation step of generating the print data to be transferred to said image processing apparatus;

an acquisition step of acquiring, from said image
5 processing apparatus, information indicating the
function status of plural image processing functions;
and

a display control step of executing a process of
transferring the print data generated by said
10 generation step to said image processing apparatus and
displaying the function status of the plural image
processing functions on a display unit based on the
information acquired by said acquisition step.

15 38. A memory medium according to claim 37,
wherein said display control step can display the
function status of the plural image processing
functions, based on the information acquired by the
acquisition step, on a single image by graphics, text
20 and animation.

39. A memory medium according to claim 37,
wherein said display control step discriminates, based
on the information acquired in said acquisition step,
25 whether an image processing function of higher priority
is executed in said image processing apparatus, and, in
case of discrimination that a processing function of

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higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

5 40. A memory medium according to claim 37,
wherein said display control step displays a text
indicating the function status of the image processing
function of higher priority in an emphasized manner by
a layout in a predetermined area of the display unit.

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 41. A memory medium according to claim 37,
wherein said image processing functions include a print
function for executing printing based on data from the
information processing apparatus, a copy function and a
15 facsimile function.

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